



# IMEC.ICON INFORMATION SESSION

JUNE 9, 2017

# AGENDA

- imec
- imec.icon
  - What is an imec.icon project?
  - Expected outcome of an imec.icon
  - Examples
  - Application procedure
  - VLAIO and Innoviris funding
  - IPR and Contracts



imec is  
the world-leading R&D and innovation  
hub in **nanoelectronics** and **digital  
technology**.

GHENT  
SMART APPLICATIONS



UNIVERSITEIT  
GENT



Universiteit  
Antwerpen



Vrije  
Universiteit  
Brussel

LEUVEN  
HEADQUARTERS



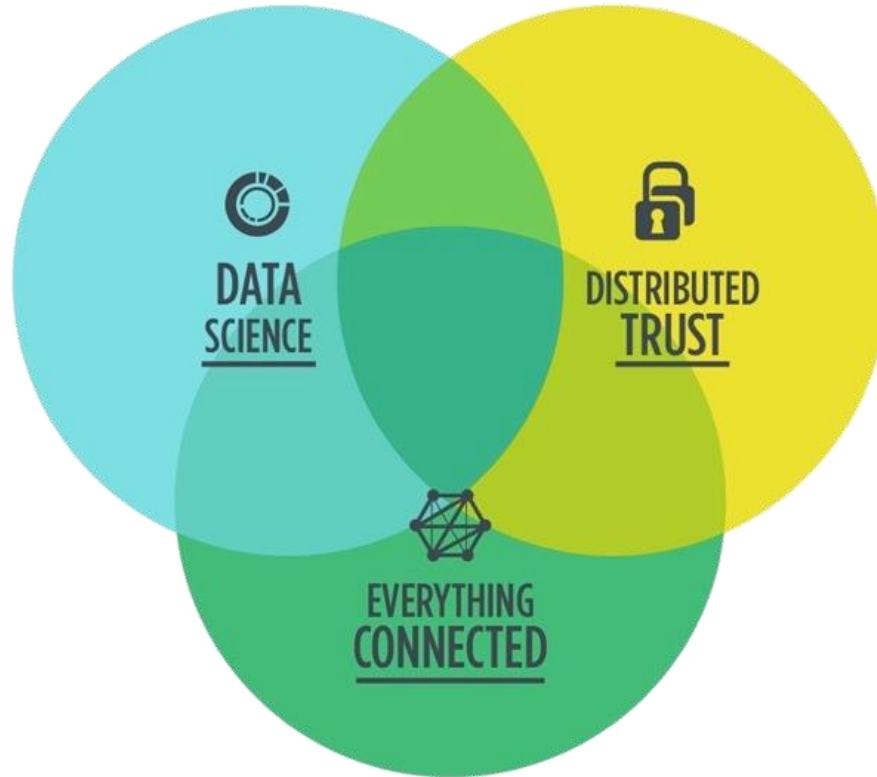
universiteit  
▶▶ hasselt

**KU LEUVEN**

# SMART APPLICATIONS – VERTICAL MARKETS



# SMART APPLICATIONS – RESEARCH PROGRAMS



# AGENDA

- imec
- imec.icon
  - What is an imec.icon project?
  - Expected outcome of an imec.icon
  - Examples
  - Application procedure
  - VLAIO and Innoviris funding
  - IPR and Contracts

# IMEC.ICON PROGRAM

## LARGE EXPERIENCE BASE

**12**

**Calls**

2009-2017

**120**

**Projects**

2009-2017

**+350**

**Partners**

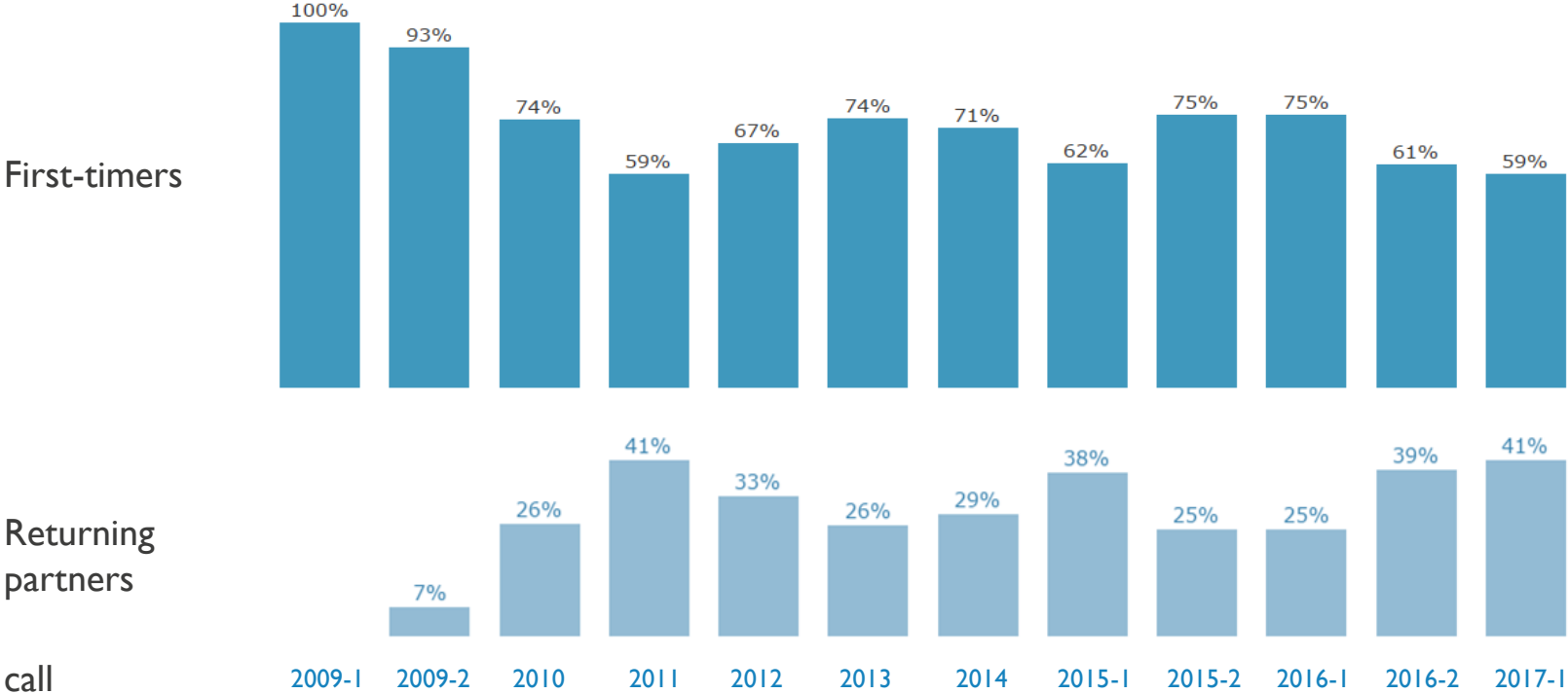
2009-2017



# >300 IMEC.ICON PARTNERS AND COUNTING



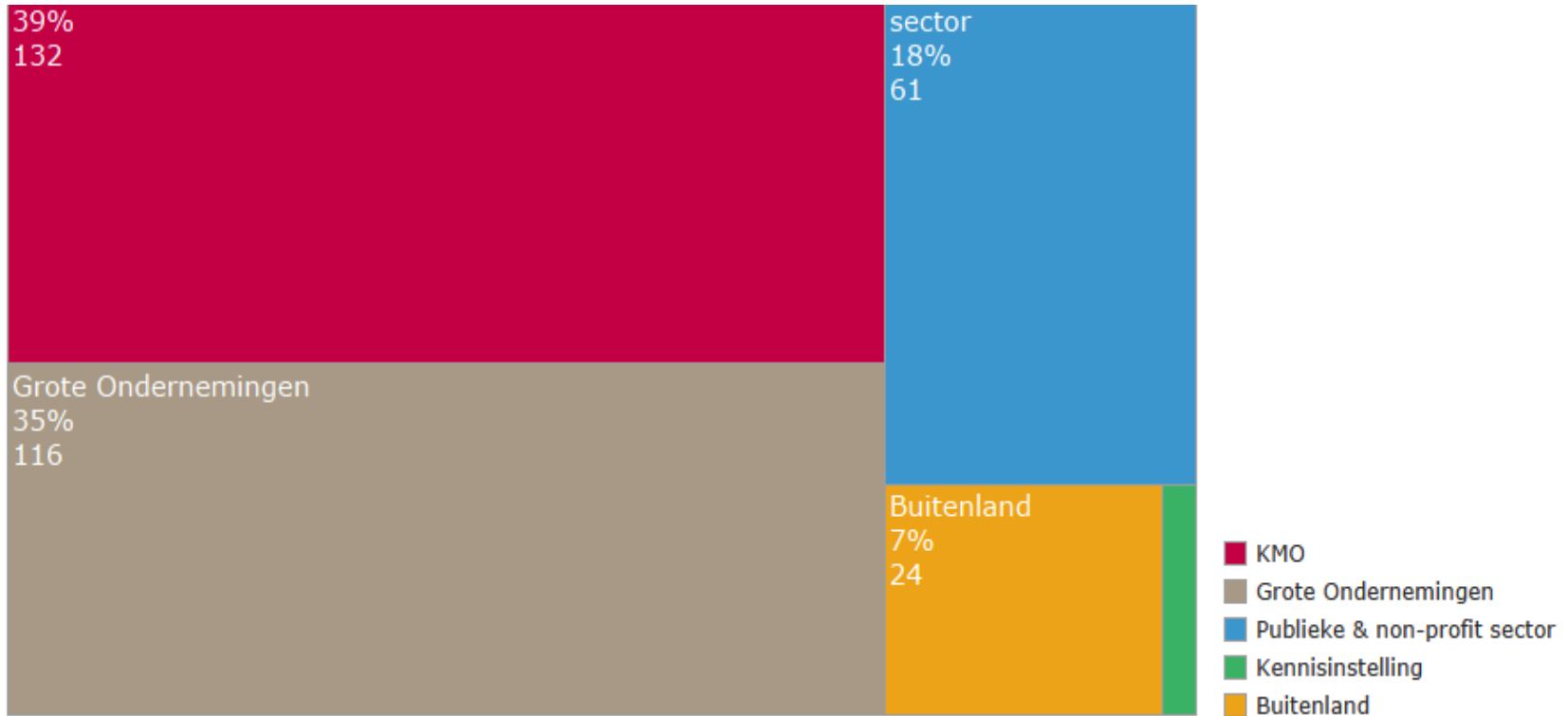
# ECOSYSTEM CONTINUOUSLY GETS BROADER



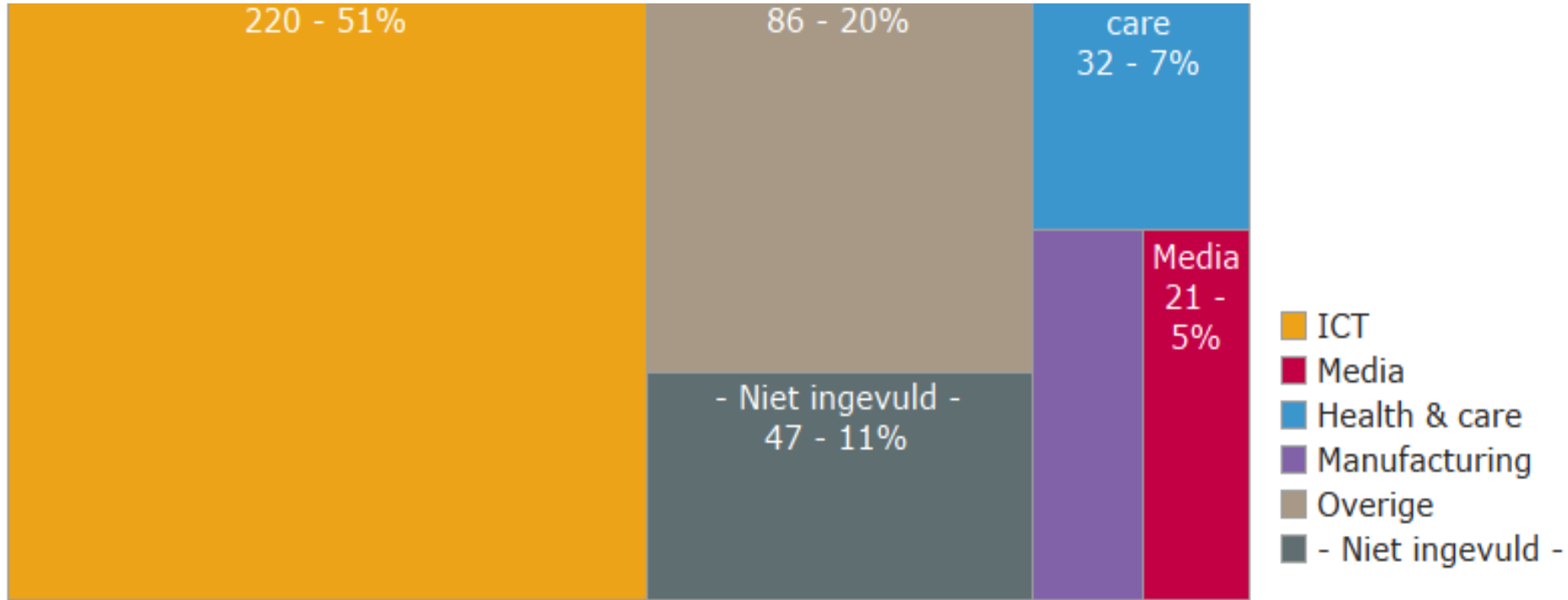
## >30% RETURNING PARTNERS



# >80% OF THE PARTNERS ARE COMPANIES



# >50% OF THE PARTNERS ARE ICT COMPANIES



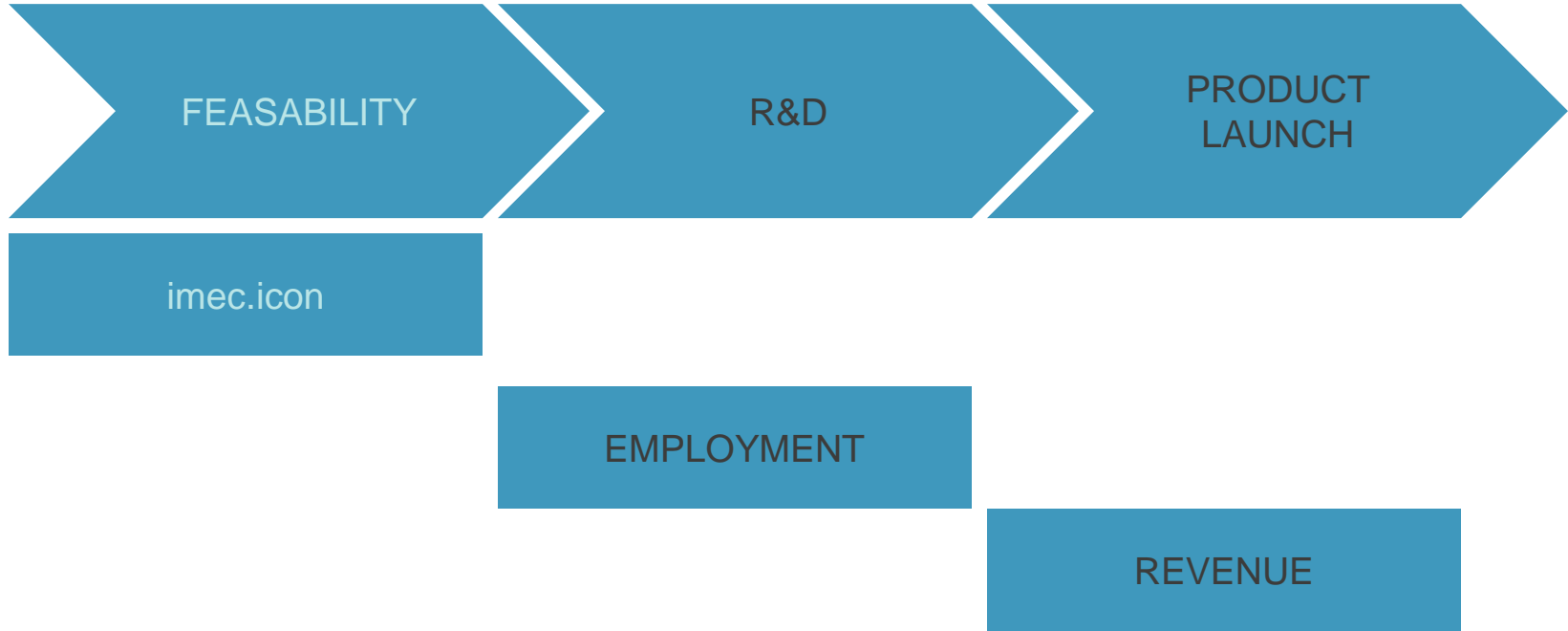
# ACT LOCAL, THINK GLOBAL



# AGENDA

- imec
- imec.icon
  - [What is an imec.icon project?](#)
  - Expected outcome of an imec.icon
  - Examples
  - Application procedure
  - VLAIO and Innoviris funding
  - IPR and Contracts

# THE POSITION OF IMEC.ICON IN THE PRODUCT LIFE CYCLE

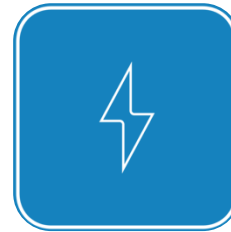






# IMEC.ICON PRIME ASSUMPTIONS

- ICT-related
- Demand-driven
  - Relating to a real need in industry/society
  - Involving companies, social/cultural sector, users, customers,...
- Within the scope of imec' market segments



# IMEC.ICON CHARACTERISTICS

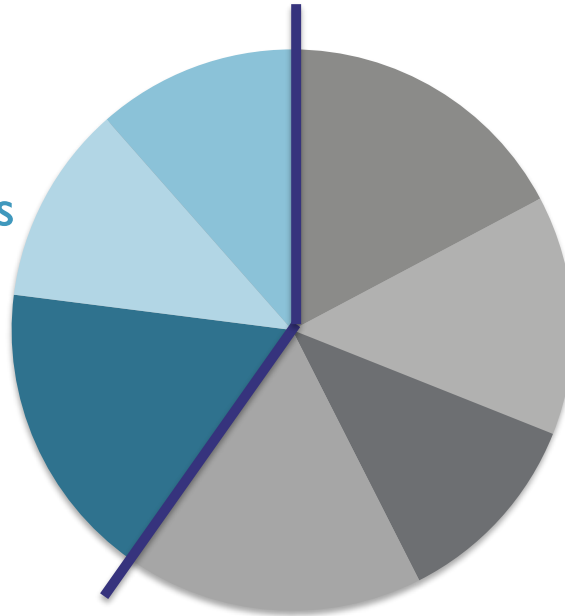
- Cooperative research with a focus and impact on valorisation for all industry partners involved
- Interdisciplinary
  - Technology, legal, social
  - Different market segments
  - No dominant partner in the consortium
- Flemish partners involved
- 2-year duration

# IMEC.ICON CONSORTIUM

MANY RESEARCH OPTIONS: IMEC + UNIVERSITIES

## Research groups

- Min. 2 groups
  - imec
  - Flemish universities
  - other



Advice: go for lean and mean  
(research <120MM)

## Industry partners

- Min. 3 partners
- SMEs, large companies, governments, social profit, technology providers or services, authorities...
- Flanders (min. 1)  
Belgium  
International

# ALIGNING YOUR CONSORTIUM

## MAKING ROOM FOR WIN-WIN

	Partner 1	Partner 2	Partner 3	Partner 4
Goal 1	must-have	nice-to-have	not-relevant	no-go
Goal 2	nice-to-have	must-have	must-have	not-relevant
Goal 3	not-relevant	nice-to-have	nice-to-have	nice-to-have
...	nice-to-have	nice-to-have	not-relevant	must-have

# IMEC.ICON CONSORTIUM

## OPTIONAL: USER GROUP



### User/Stakeholder group

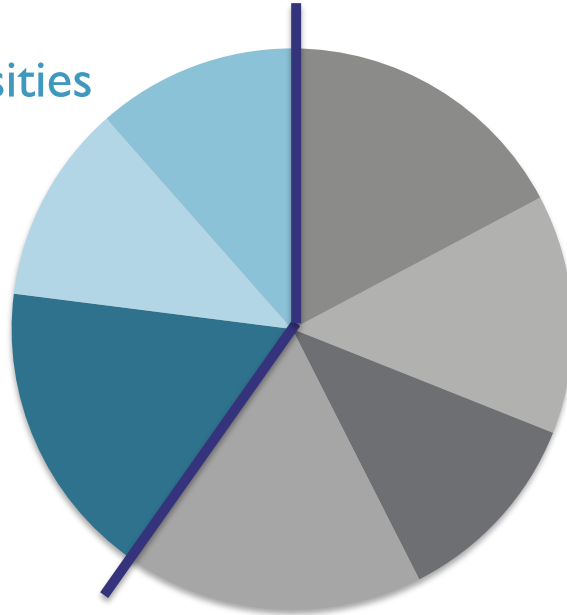
- Not a formal partner
- A user group is linked to the project to:
  - provide specific input
  - act as a sparring partner
  - validate certain results
  - to provide certain data
  - to set up requirements
  - ...

# IMEC.ICON PROJECT BUDGET

## CO-INVESTMENT BY ALL PARTNERS

### Research groups

- imec & Flemish universities
  - imec dotation
- other research groups
  - own budget



### Industry partners

- own budget
- External funding is allowed
- Integrated application for VLAIO/Innoviris in imec.icon application

AGENTSCHAP  
INNOVEREN & ONDERNEMEN

innoviris.brussels   
empowering research

Budget research groups max 50% of total project budget

# AGENDA

- imec
- imec.icon
  - What is an imec.icon project?
  - [Expected outcome of an imec.icon](#)
  - Examples
  - Application procedure
  - VLAIO and Innoviris funding
  - IPR and Contracts



# RESULTS AT THE END OF THE ICON PROJECT

- **Proof-of-concept / demonstrator**
  - Not a pilot ready for commercialization

Value for the companies has to be incorporated in the project from the beginning.

⇒ Involving the customer and user from the beginning using:

- BI models
- Living Labs

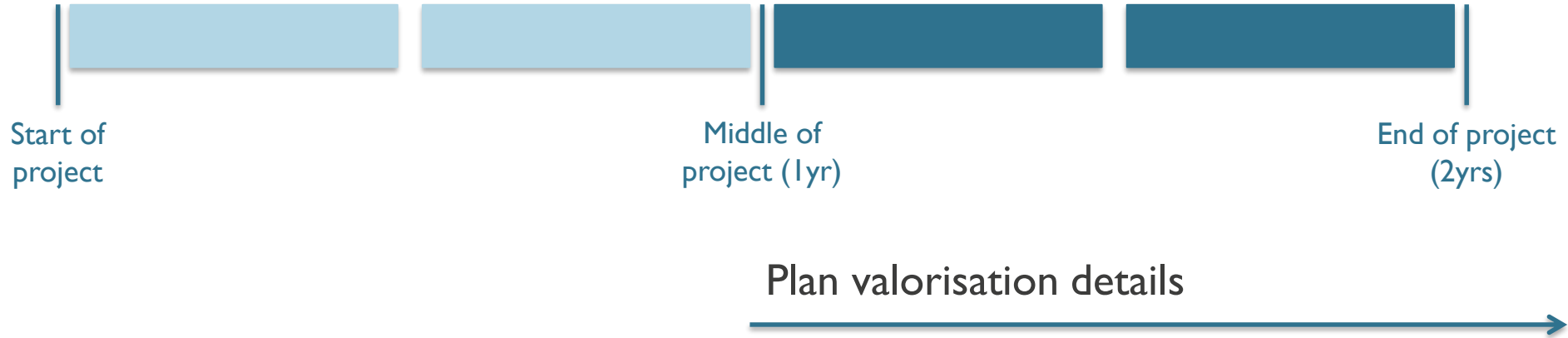
# OUTCOME OF AN IMEC.ICON

## Added value

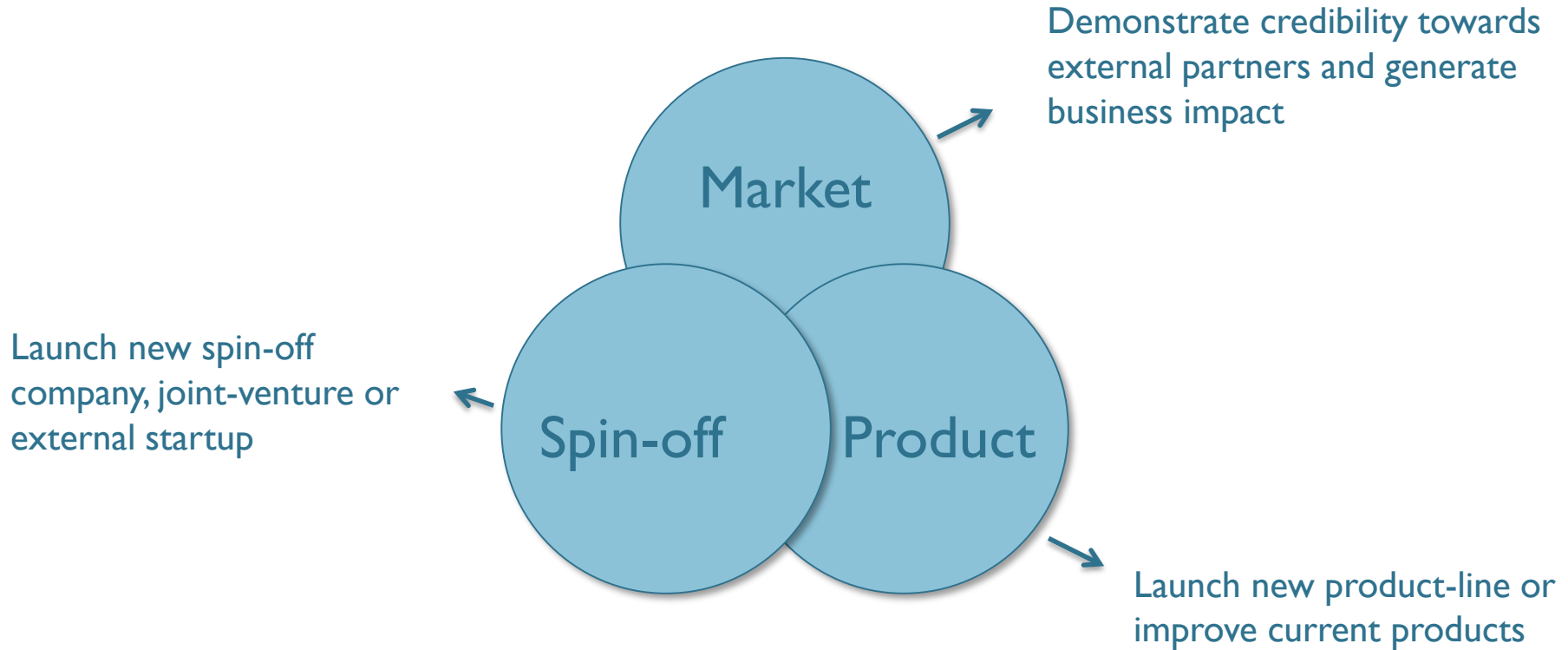
- **Economic**
  - Company results
  - Qualitative employment
- **Social/cultural**
  - Added value to target group
- **Impact in Flanders**

# VALORISATION

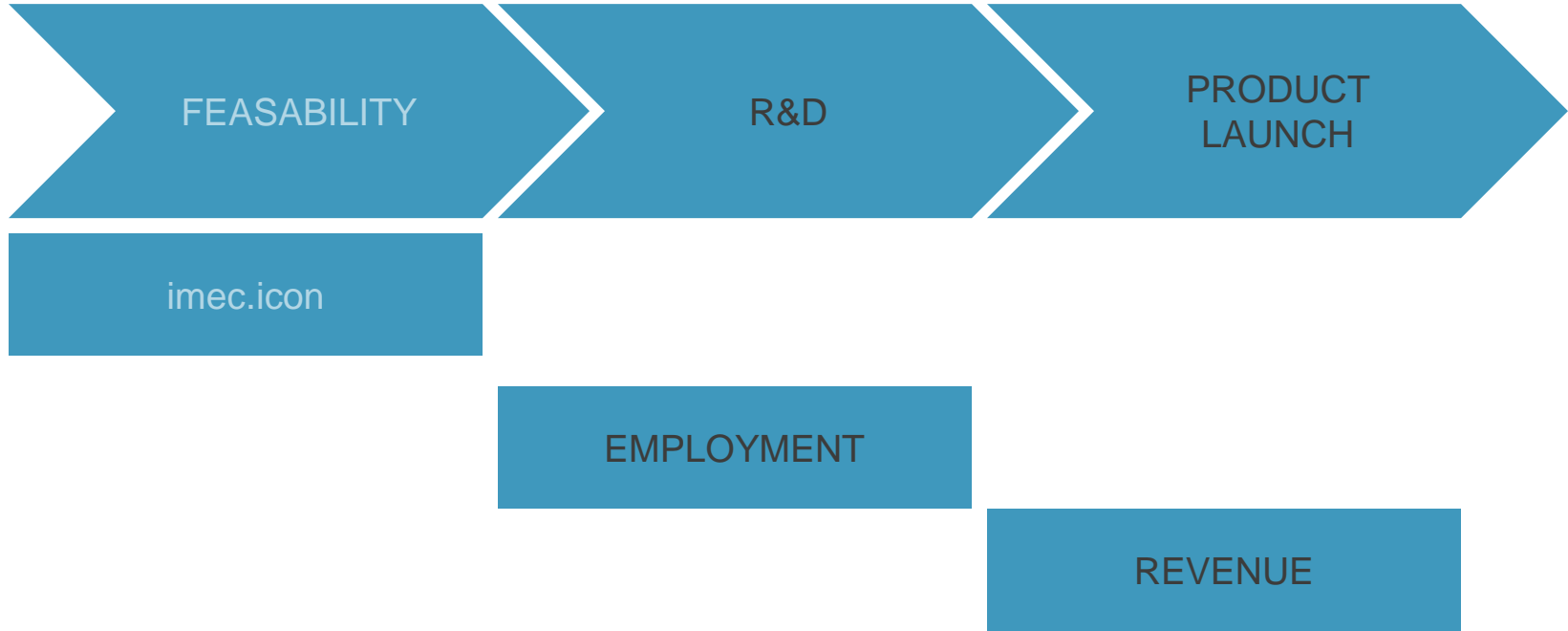
DETAILED PLANNING STARTS DURING THE PROJECT  
IMPLEMENTED BY THE COMPANIES AFTER THE PROJECT



# VALORISATION



# THE POSITION OF IMEC.ICON IN THE PRODUCT LIFE CYCLE



# IMEC.ICON WORKS

PORTFOLIO IMPACT STUDY 2015 - AGGREGATED (30 COMPANIES)

FOR EVERY



GOVERNMENT INVESTMENT



11x

COMPANY  
TURNOVER



6x

INVESTMENTS IN JOBS  
AT COMPANY LEVEL



1x

INVESTMENTS  
IN INFRASTRUCTURE

# AGENDA

- imec
- imec.icon
  - What is an imec.icon project?
  - Expected outcome of an imec.icon
  - [Examples](#)
  - Application procedure
  - VLAIO and Innoviris funding
  - IPR and Contracts

# EXAMPLES ICON





# TRU-BLISS

RESULT: WEBSITE VULNERABILITY TOOL THAT AUTOMATICALLY & CONTINUOUSLY TESTS FINANCIAL INSTITUTIONS' WEBSITES AGAINST SECURITY PARAMETERS



MONICOW

DEVELOPMENT OF ADVANCED AND ENERGY-EFFICIENT WIRELESS SYSTEM FOR  
LARGE-SCALE CATTLE LOCALIZATION & INFORMATION COLLECTION





# IFEST

## A RICHER FESTIVAL EXPERIENCE WITH PORTABLE SENSOR TECHNOLOGY



# IFEST



- A Richer Festival Experience with Portable Sensor Technology

**80 000**

festival bracelets

**massive**  
interference

**80 000**

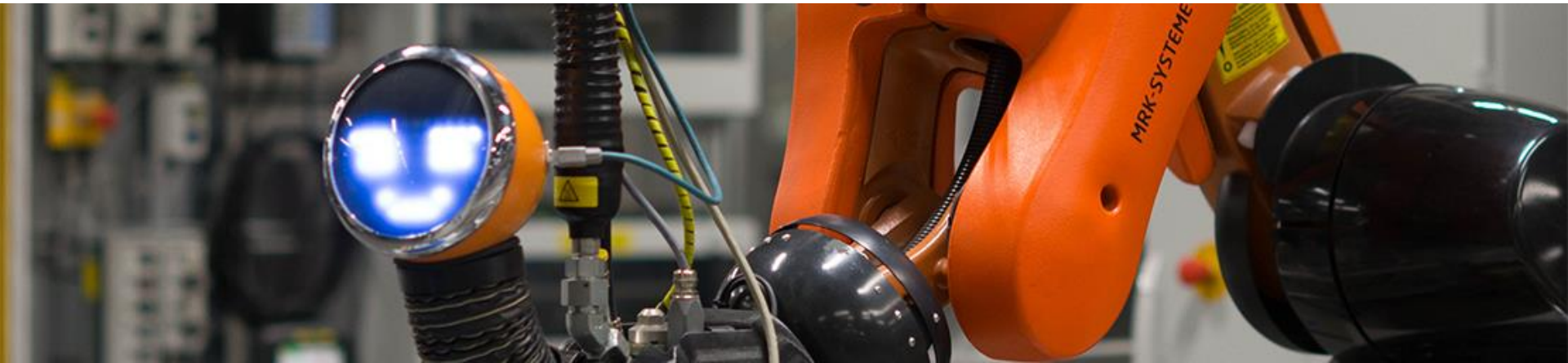
smartphones

**1000**

wireless routers

# CLAXON

IMPROVING THE INTERACTION BETWEEN PEOPLE AND COLLABORATIVE ROBOTS  
IN FACTORIES



# AGENDA

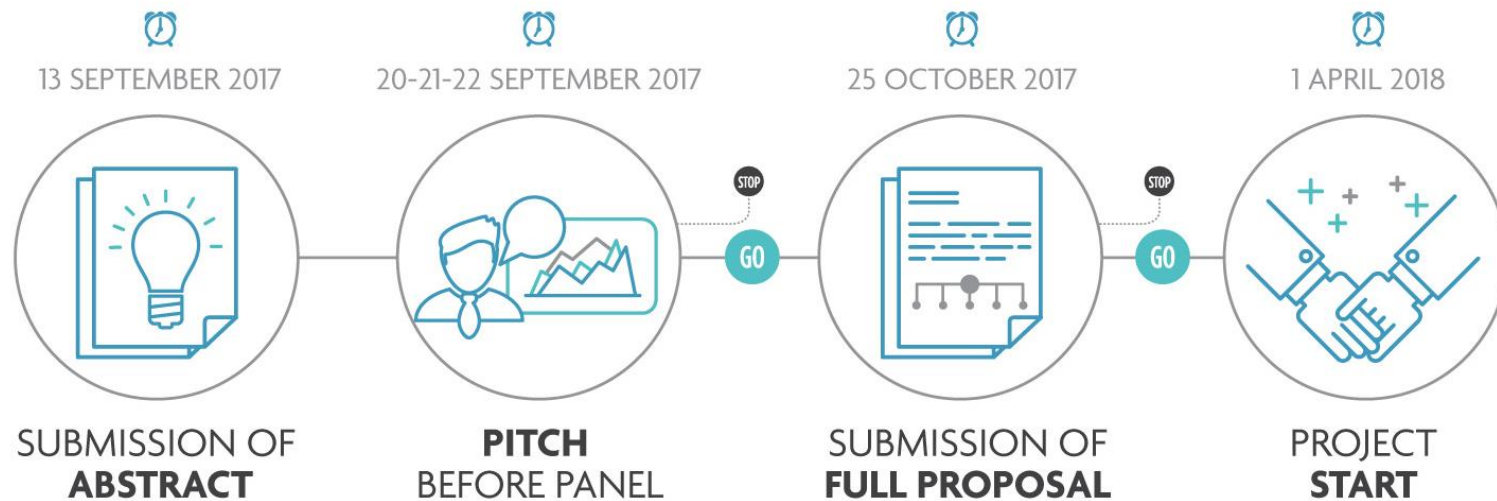
- imec
- imec.icon
  - What is an imec.icon project?
  - Expected outcome of an imec.icon
  - Examples
  - [Application procedure](#)
  - VLAIO and Innoviris funding
  - IPR and Contracts

## 2-STEP APPLICATION PROCEDURE

1. Extended abstract + pitch
2. Full proposal



# TIMING



# ABSTRACT PHASE: EXTENDED ABSTRACT

## Content Abstract:

- Cause and context of the project
- Innovation goals
- State of the art and leap of knowledge
- Expected project outcome
- Valorization and Social/economic benefit
- Each partner/research group:
  - Brief presentation
  - Relevant expertise
  - Importance of the partner/research group
  - Strategic importance of the project

Abstract not eligible if  
over character limits

Template is available  
on [imec website](#)

# ABSTRACT PHASE: PITCH BEFORE PANEL

## ■ Pitch

- Very short presentation (6 minutes)
- Followed by a short Q&A
- Consortium presence
  - Max. 5 consortium members, incl. research lead and project lead

## ■ Panel

- External domain experts
- Representatives of imec

info session on Pitch  
15 Sep (10.30am)

Template is available  
on [imec website](#)

# ABSTRACT PHASE: CONCEPT OF KEY PARTNER

- **Key partners:**
  - Are essential for the project
  - Without those partners, it's a different project -> would need re-evaluation
- **Consequences:**
  - The full proposal will be **non-eligible** if key partners **withdraw** between abstract and full proposal
  - Other partners: are also committed to the project, but can be replaced
  - New partners can join the project between the abstract and the full proposal

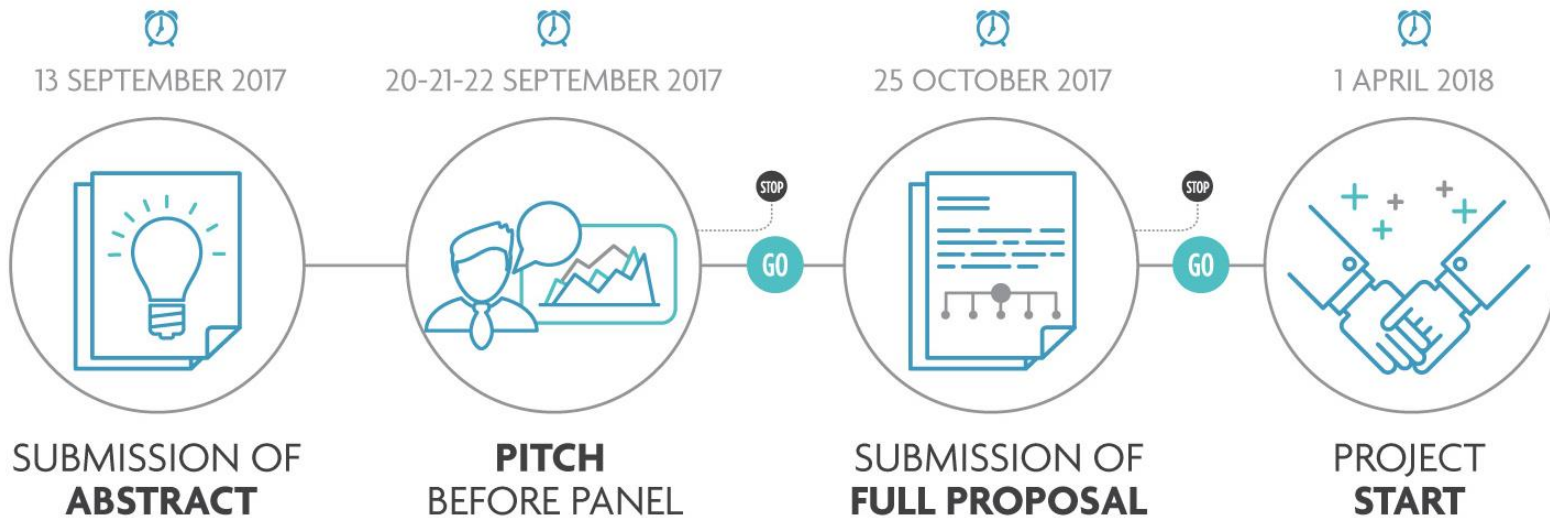
Cooperative nature of the consortium is an important evaluation criterion

## ABSTRACT PHASE: EVALUATION CRITERIA ALIGNED WITH VLAIO AND INNOVIRIS R&D CRITERIA

- Clearly defined and realistic research objectives
- Social/economic valorization and added value of the project
- Cooperative nature of the consortium and market driven character of the project
- Effort and timing

Evaluation criteria  
available on [website](#)

# TIMING



# FULL PROPOSAL PHASE

## High-level content Full Proposal:

- Information on the whole imec.icon project
  - Cause and context, Innovation goals, Implementation
- Partner-specific information
  - Valorization information
  - Requested funding (if applicable)

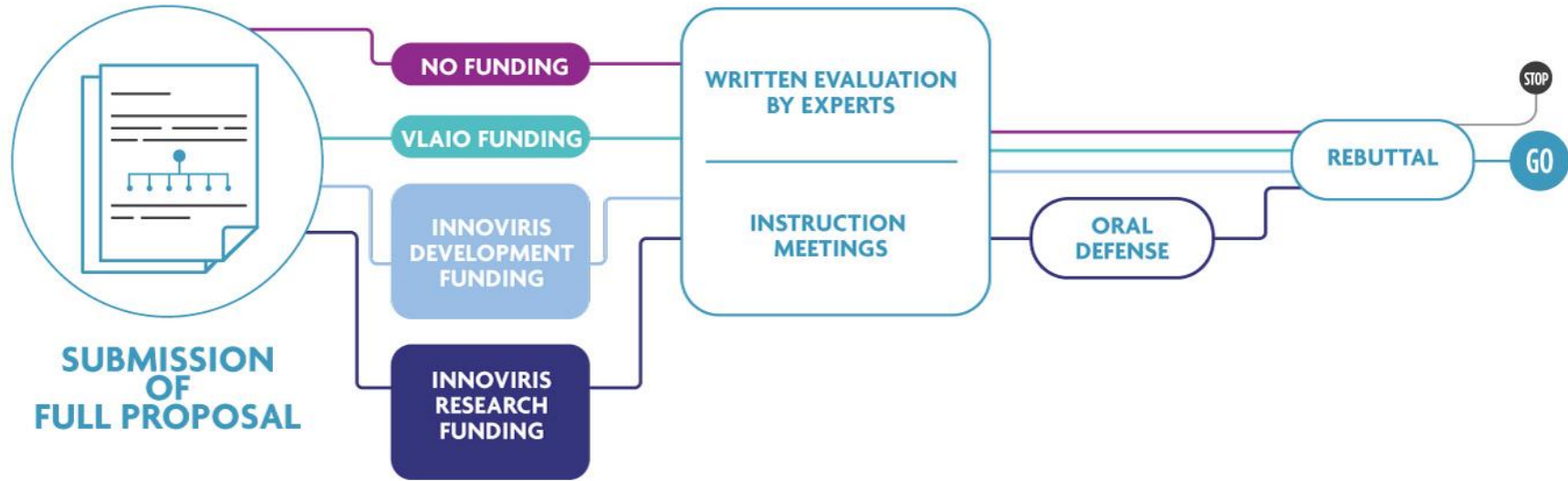
# INFO SESSIONS ON FULL PROPOSAL

- **General info session**
  - Detailed session with tips & tricks
  - October 3, 10-12:30, VLAIO Brussels
  - (afternoon: option to book 1-on-1 session)
  
- **Sessions specific on valorisation (industry partners)**
  - Co-organised with Innovatiecentrum
  - October 6, 2017, 13u30-15u, VAC Gent
  - Advised for first time applicants

Invites will follow for those who go to FP phase

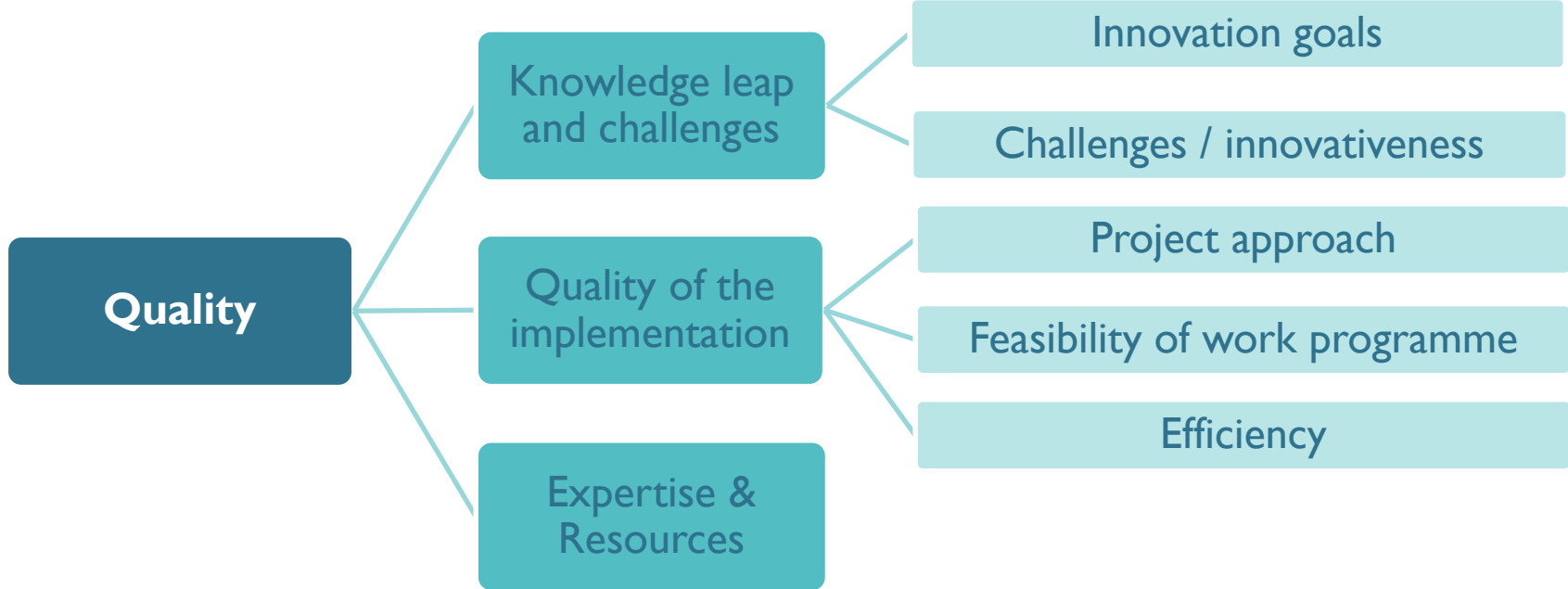


# FULL PROPOSAL PHASE: EVALUATION PROCEDURE



# FULL PROPOSAL EVALUATION CRITERIA

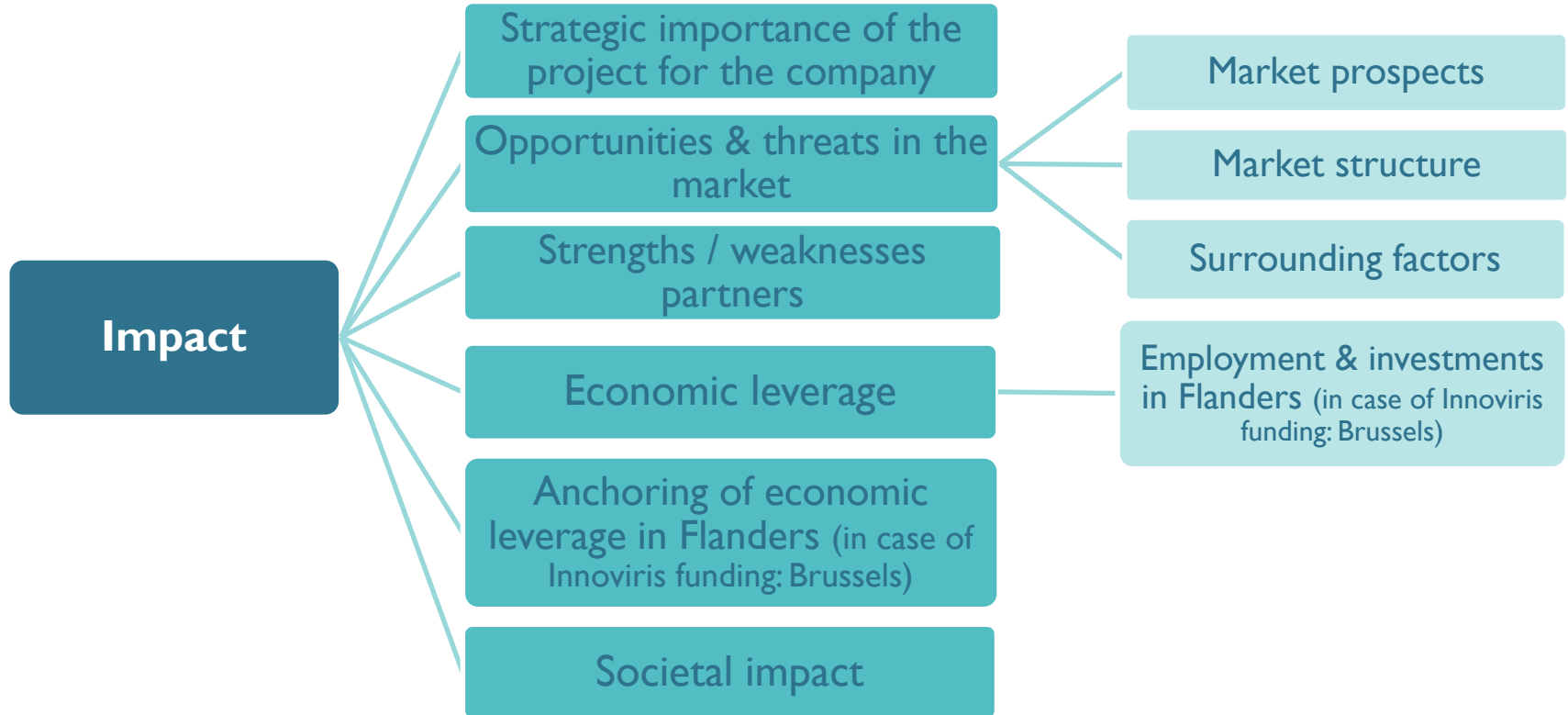
## I. QUALITY



Evaluation criteria are aligned with VLAIO and Innoviris

# FULL PROPOSAL EVALUATION CRITERIA






## 2. IMPACT



# POSSIBLE OUTCOMES FOR THE FULL PROPOSAL

**imec.icon file** = imec decision

**Industry funding** = VLAIO or Innoviris decision

imec.icon file	Industry funding application	Possible outcome
		Both imec.icon project and VLAIO/Innoviris funding are approved
		imec.icon project approved but no VLAIO/Innoviris funding
	Not evaluated	No imec.icon project and no VLAIO/Innoviris funding granted

# How to submit your application

# ABSTRACT AND FULL PROPOSAL SUBMISSION: VIA MYPROJECTS

## MyProjects:

- Submitting your application
- Follow-up
- Reporting

Current call accessible from end of June

The screenshot shows the MyProjects dashboard for project ZZ\_DEMO2. The top navigation bar includes 'mec', 'MYPROJECTS', 'FORUM', 'HELP', and 'FEEDBACK'. The left sidebar lists various project management sections: DASHBOARD, SUMMARY, PROJECT DOCUMENTS, PARTNERS, MEMBERS, EXPERTS TO AVOID, BUDGETS, SCHEDULE, WORK PACKAGES, REPORTING, and CHANGE LOG. The main dashboard area is titled 'DASHBOARD' and is divided into three columns. The left column, 'CORE MEMBERS', lists 'INNOVATION MANAGER' (Raf De Kimpe), 'PROJECT LEAD, PROPOSAL MANAGER, RESEARCH LEAD' (ZZ\_Carl De Pinte Ozig), and 'VLAIO ADVISOR'. The middle column, 'DELIVERABLES AND MILESTONES', shows a task 'D1.1 test, ZZ\_Carl De Pinte Ozig, Aug 31, 2016'. The right column, 'WORK PACKAGES', lists three work packages, each with an 'Alert lead' button.

[How to submit your project via MyProjects](#)

# ABSTRACT SUBMISSION: VIA MYPROJECTS

	Directly via MyProjects	.doc/.pdf upload on MyProjects	
Abstract content	<ul style="list-style-type: none"><li>• Project metadata</li><li>• Partners + MM</li><li>• Members</li><li>• Executive summary</li></ul>	<ul style="list-style-type: none"><li>• Cause &amp; Context</li><li>• Innovation goals</li><li>• SOTA</li><li>• Outcome</li><li>• Valorisation</li><li>• Details on partners</li></ul>	<ul style="list-style-type: none"><li>• Pitch slides</li></ul>
Deadline	Sep 13, 12 o'clock noon		Sep 19, 12 o'clock noon

# ABSTRACT SUBMISSION: EXTRA DOCUMENTS

WHEN APPLICABLE

	Directly via MyProjects	.doc/.pdf upload on MyProjects
Extra documents		<ul style="list-style-type: none"><li>• <b>Resubmission letter</b> If your project has been submitted before in ICON AND if you have approval from imec to resubmit</li><li>• <b>Motivation letter for new research groups</b> If it's the first time the research group participated in ICON</li></ul>
Deadline	Sep 13, 12 o'clock noon	



# SUBMITTING YOUR PROPOSAL VIA MYPROJECTS

- **The Proposal manager** is responsible for creating and submitting the proposal
  - Already a user in MyProjects?  
⇒ Use the button in [MyProjects](#)
  - Not a user in MyProjects?  
⇒ Register via [website](#)



Start a new application

## NEED ACCESS TO MYPROJECTS

- If you are not a Proposal manager, but you need access to the platform, contact your proposal manager
- How to give access as Proposal manager:
  - Add the member
  - Give him a specific role or the role 'generate user'
  - The member will receive a mail with login information

# VALIDATE AND SUBMIT YOUR PROJECT

- Steps to submit your project as a proposal manager
  1. Start your application
    - ① don't wait until the beginning of September
  1. Fill in all information and upload the necessary documents
  2. Validate to check if all information is correct
    - ① you can validate as many times as you want
  3. Submit the project using the submission button

# AGENDA

- imec
- imec.icon
  - What is an imec.icon project?
  - Expected outcome of an imec.icon
  - Examples
  - Application procedure
  - [VLAIO and Innoviris funding](#)
  - IPR and Contracts

# APPLYING FOR VLAIO OR INNOVIRIS FUNDING

- Funding application within the imec.icon procedure

- VLAIO (Flemish region)

AGENTSCHAP  
INNOVEREN & ONDERNEMEN

- Innoviris (Brussels region)

innoviris.brussels   
empowering research

AGENTSCHAP INNOVEREN & ONDERNEMEN

## VLAIO FUNDING (COMPANIES)

- For organisations located in the Flemish region
- Subsidy: percentage of costs
- Budget contains:
  - Payroll costs: salary x (1.00 – 1.68)
  - Other costs: max. € 40.000/FTE (of which max 20.000 indirect costs, direct costs to be listed)
  - Possibly large subcontractors ( > € 8.500)

For eligibility questions a.o., check  
[“Frequently asked questions”](#)

## FUNDING PERCENTAGES (COMPANIES)

- **Basic funding percentage**
  - 25% development project or 50% research project
- **Extra funding**
  - SME
    - Small enterprise (+20%) / ME (+10%)
    - In case of doubt: contact VLAIO
  - Collaboration +10% when, considering the project part for which funding (VLAIO or Innoviris) is granted,
    - At least 1 SME as project partner
    - None of the partners constitutes more than 70% of the budget
- **Basic funding + extra funding: min. 25%, max. 80%**



- Basic funding percentage
  - 25% development project OR 50% research project
- Differentiation based on
  - Step forwards w.r.t. state-of-the-art
  - Important challenges and risks



- Ranking is based on strategic importance and economic impact
- Adequate information (part C) is part of eligibility of VLAIO application
- Attendance info meeting October 3<sup>rd</sup> incl. preliminary discussion with VLAIO advisor strongly recommended, especially for companies with no or little experience with VLAIO funding

Detailed info session  
with tips&tricks  
October 3, 2017

# VLAIO FUNDING RESTRICTION

## NO FUNDING FOR UNDERTAKING IN DIFFICULTY

- Criteria for all companies: Equity is less than 50% of the share capital
- For large companies, two extra criteria:
  - Debt capital to equity ratio  $> 7,5$
  - EBITDA interest coverage ratio  $< 1,0$
- More information on the VLAIO [website](#)

INNOVIRIS

# FUNDING BRUSSELS ENTERPRISES INNOVIRIS

- Eligibility: Brussels enterprise
- R&D project
- Procedure

## WHO CAN APPLY

- All Brussels enterprises who:
  - develop all or some of their activities within the territory of the Brussels-Capital Region
  - present an innovative project likely to have a favourable impact on employment and/or the sustainable development of the Brussels-Capital Region
  - show their ability to finance their share in the project
  - have fulfilled their obligations in the context of previous support initiatives granted by the Region.
- Not exclusive Brussels partners within imec.icon consortium  
(at least one in Flanders)

- imec.icon external partners can apply for R&D funding
- R&D project
  - **Industrial Research:** Series of activities carried out with a view to acquiring new skills and innovative scientific knowledge designed to develop a product, procedure or service.
  - **Experimental Development:** Activity designed to apply the results of industrial research in the form of prototype products, procedures or services.
- Who? SMEs and Large Enterprises

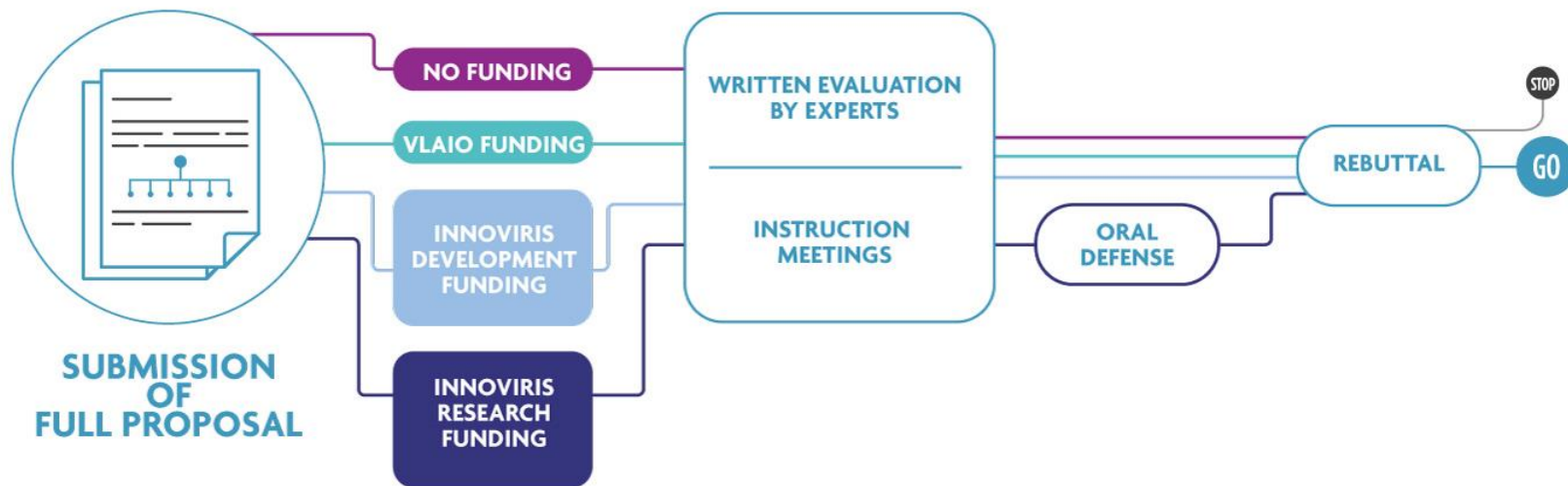
# INNOVIRIS FUNDING PERCENTAGE

- **Basic funding percentage**
  - 25% development project or 50% research project
- **Extra funding**
  - SME
    - SE (+20%) / ME (+10%)
    - In case of doubt: contact Innoviris
  - Collaboration +15% when, considering the project part for which funding (Innoviris or VLAIO) is granted,
    - At least 1 SME as project partner
    - None of the partners constitutes more than 70% of the budget
- **Basic funding + extra funding:** min. 25%, max. 80%



- Adjusted Part C of imec.icon-application for Innoviris
- Industrial Research:
  - “Usual” Instruction meeting, with scientific advisor Innoviris
  - Oral defense for committee of experts
- Experimental Development:
  - “Usual” Instruction meeting, with scientific advisor Innoviris

# FULL PROPOSAL PHASE



# IMPORTANCE INFORMATION ON VALORISATION

- Valorisation for Brussels Capital Region both strategic importance and on economic impact
- Adequate information (part C) is part of eligibility Innoviris application
- Attendance full proposal info session October 3 incl. preliminary discussion with Innoviris advisor strongly recommended, especially for companies with no or little experience with Innoviris funding

Detailed info session  
with tips&tricks  
October 3, 2017

# AGENDA

- imec
- imec.icon
  - What is an imec.icon project?
  - Expected outcome of an imec.icon
  - Examples
  - Application procedure
  - VLAIO and Innoviris funding
  - [IPR and Contracts](#)

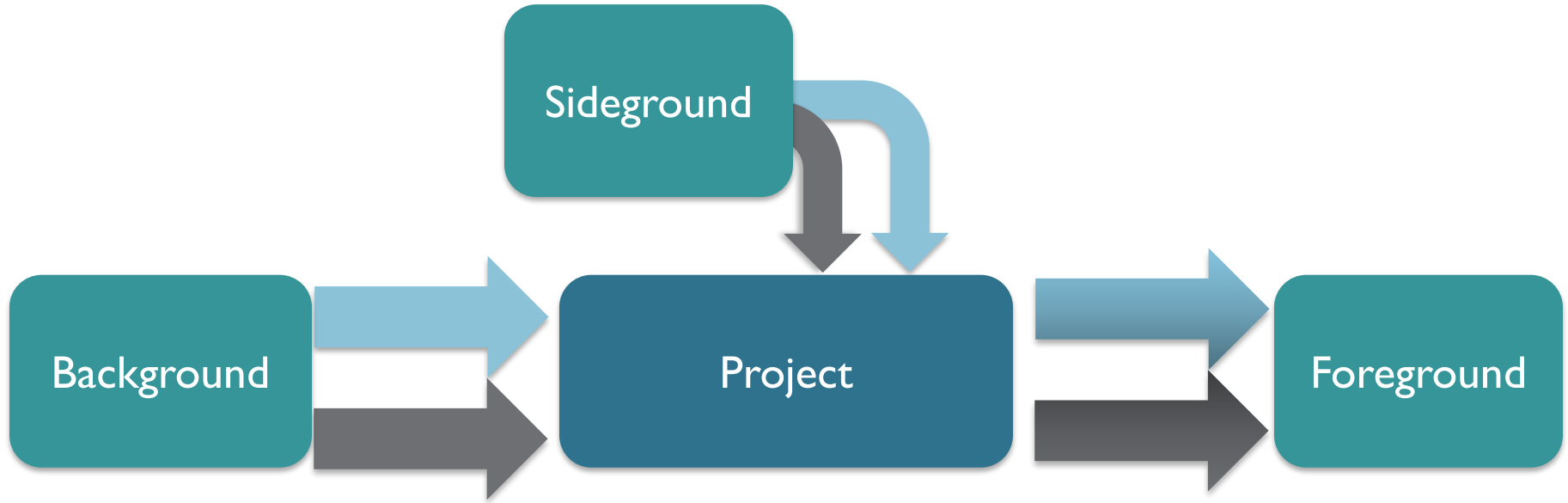
# START IP DISCUSSIONS UPFRONT

- IP model in imec.icon is **fixed**

- Background = all pre-existing knowledge a partner contributes to the project
  - Needs to be identified, substantiated and listed in the project description
  - Necessary to perform the Project
- Foreground = all results obtained during the execution of the imec.icon Project
- Foreground is to be reported to the steering committee (i.e. Project Deliverables)

# IPR IN ICON

Explained in CA and manual,



# IPR IN IMEC.ICON: OWNERSHIP – ACCESS RIGHTS

<b>Ownership</b>	Rule: Each partner is and remains sole owner of own BG/SG/FG
	Co-ownership when Foreground is created by two or more parties and when it is impossible to divide each partners' contribution in the result
<b>Access Rights</b> <i>During project execution</i>	Free of charge: Background, Sideground and Foreground
<b>Access Rights</b> <i>For valorisation</i>	Deemed granted if needed to valorise own results



# IPR IN ICON: OWNERSHIP – ACCESS RIGHTS

Access rights for valorisation

	Same WP	Different WP
FG	Free	Favorable
BG/SG	Favorable	Market conditions

# Contracts

# ICON NDA AND LOI

- **Non Disclosure Agreement (NDA)**
  - Recommended to use from abstract phase onwards
  - Own choice consortium
  
- **Letter Of Intent (LoI)**
  - Mandatory at full proposal phase
  - Template not be changed. May be submitted in English or in Dutch
  - Content:
    - Intention of each partner to implement its own task package
    - Acceptance of the imec.icon CA

# IMEC.ICON NDA AND LOI

Documents available on [website](#)



**TODAY**

First talks on project

NDA

Recommended as soon as project talks start



**13 SEP**

Deadline Abstract submission

Loi

Recommended as of abstract submission



**25 OCT**

Deadline Full proposal submission

Loi

Mandatory (as part of the full proposal submission)

# CONTRACTS TO BE SIGNED AFTER PROJECT APPROVAL

- **Collaboration Agreement (CA, Samenwerkingsovereenkomst)**
  - Binding for **all** parties
  - imec (incl. related unis) <> all external partners
  - Stating imec and all partners research input
  - Aspects: project description, input, operation through steering groups, ownership of results, publication rights, ...
- **VLAIO or Innoviris Funding Agreement (FA, Steunovereenkomst)**
  - VLAIO or Innoviris R&D funding approval
  - VLAIO or Innoviris <> **funded** external partner(s)
  - Co-signed by imec
- **User group Agreement (if applicable)**

# Next steps

# EARLY-CONSORTIUM CONTACT MOMENTS

- Who?
  - Consortium with an imec Program manager
- What?
  - Sparring with consortium (idea, approach,...)
  - Is imec.icon the right instrument?
  - Consortium partners (expertise, find other partners,...)
- How?
  - Physical meeting
  - Optional, upon request by consortium
  - Fix a date via [this form](#)

# THINGS TO DECIDE

- Project idea
- Consortium
  - Industry
  - Research
  - User group (if needed)
- Proposal manager
  - MyProjects
  - MyMinds



# SET UP A MYMINDS COLLABORATION SPACE

## MyMinds:

- ✓ Collaborating tool
- ✓ Document library
- ✓ Process follow-up
- ✓ Everything ready when project gets approved

## How?

- Optional, upon request by consortium
- Send mail to [icon@imec.be](mailto:icon@imec.be)

# MARK YOUR CALENDAR

- Abstract submission
    - Pitch info session
  - Pitch slides submission
    - Pitch before panel
  - Full proposal info session
  - Full proposal valorisation sessions
    - Full proposal submission
    - Start project
- |               |             |
|---------------|-------------|
| 13 Sep        | 12:00 noon  |
| 15 Sep        | 10:30 am    |
| 19 Sep        | 12:00 noon  |
| 20-21-22 Sep  |             |
| 3 Oct         | 10 am -1 pm |
| 6 Oct         | 1:30 – 3 pm |
| 25 Oct        | 12:00 noon  |
| April 1, 2018 |             |

# Contacts

# CONTACTS FOR ICON

- **ICON Program Leader**
  - [Piet Verhoeve](#)
- Questions regarding the **call**
  - [Sanne Willems](#)
  - [Ruben Pover](#)
- Questions regarding **content**
  - [Eric Van der Hulst](#)
  - [Steven Van Assche](#)
  - [Dirk Hamelinck](#)
  - [imec researcher](#)



## CONTACTS FOR ICON

- Questions regarding **MyProjects** or **IPR**
  - [icon@imec.be](mailto:icon@imec.be)

# CONTACTS FOR ICON

- Questions regarding **VLAIO funding**

- [Veerle Desmet](#)

AGENTSCHAP  
INNOVEREN & ONDERNEMEN



- Questions regarding **Innoviris funding**

- [Stijn Maas](#)

innoviris.brussels   
empowering research



Q&A